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INTERNATIONAL APPLICATION PUBLISHEI

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CONVERT THE IPGS ARRAY INTO HALFTONE CITL DESCRIPTION DATA

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(54) Title: IMAGE DISPLAY USING IRREGULAR	LY PLACI	D CURVING STRUCTURES	
(57) Abstract A method and apparatus for digital halfton-	SET THE INITIAL VALUES OF THE ELEMENTS OF THE 18 X 18 POR AD APRAY TO 0.		
ing places curving structure centers at random locations within a halftone cell. Pixel illumi-			
nation ordering is determined based on displace- ment from a pixel to a nearest CSC along a curv- ing structure. Curving structures including spirals with varying numbers of arms, varying angles of	DIVI	DE THE 18 X 18 IPCS AT ARRAY INTO POUR 8 X 8 EUB- PRESIONS	
departure, varying orientations, and varying other parameters are used to achieve visual aesthetics			
as desired.	RAND	OALY PLACE ONE COO WITHIN EACH & X & SUB-REGION OF THE IPCS ARRAY	
	نىسىنالىكىيى <u>ت</u>		
	98	REACH EAGITORD FROM THE ABOVE PLACEMENT NERATE ADDITIONAL CROIL FOR ALL NEIGHBOURING HAUTAIGNS WITH THE HALFTONE CRILL DIMENSIONS	
	!	ACH BLUMENT OF THE IPOS ARRAY ABBIGN IT A VALUE oin ((dis* D/1.5) + stars(DX,DY)) MNED BY THE RELATIVE CO-ORONATES DX,DY AND THE /_205	
		DIRTANCE D'OF ITS NILABEST CSO	